

BG0099900A: ABSORBENT SPONGE OF HAEMOSTATIC APPLICATION AND METHOD FOR ITS PREPARATION

Abstract

The absorbent sponge is used in medicine for stopping parenchymatous and capillary bleeding in external and in surgical interventions. The adsorbent spong contains gelatine from 180 to 300 ml, thrombin from 1800 to 3000 E, fibrinogen 1.5-3 ml, chloroamphenicol 0.200-0.400 g and formalin 1.8-3 ml. The method consists in mixing of gelatine and fibrinogen at continuous mixer agitation and the addition of chloroamphenicol. The mixture is beaten and 40 wt.% formalin solution is added after which thrombin is added by subsequent beating until the complete disappearance of the liquid phase. The mixture is poured into a tray with burning alcohol and cooled to -20 C after which the product is frozen at -25 C and is freeze dried for from 22 to 25 h at 34 C. There follows cutting, packaging and sterilization by gamma rays at 2.5 Mrd.